

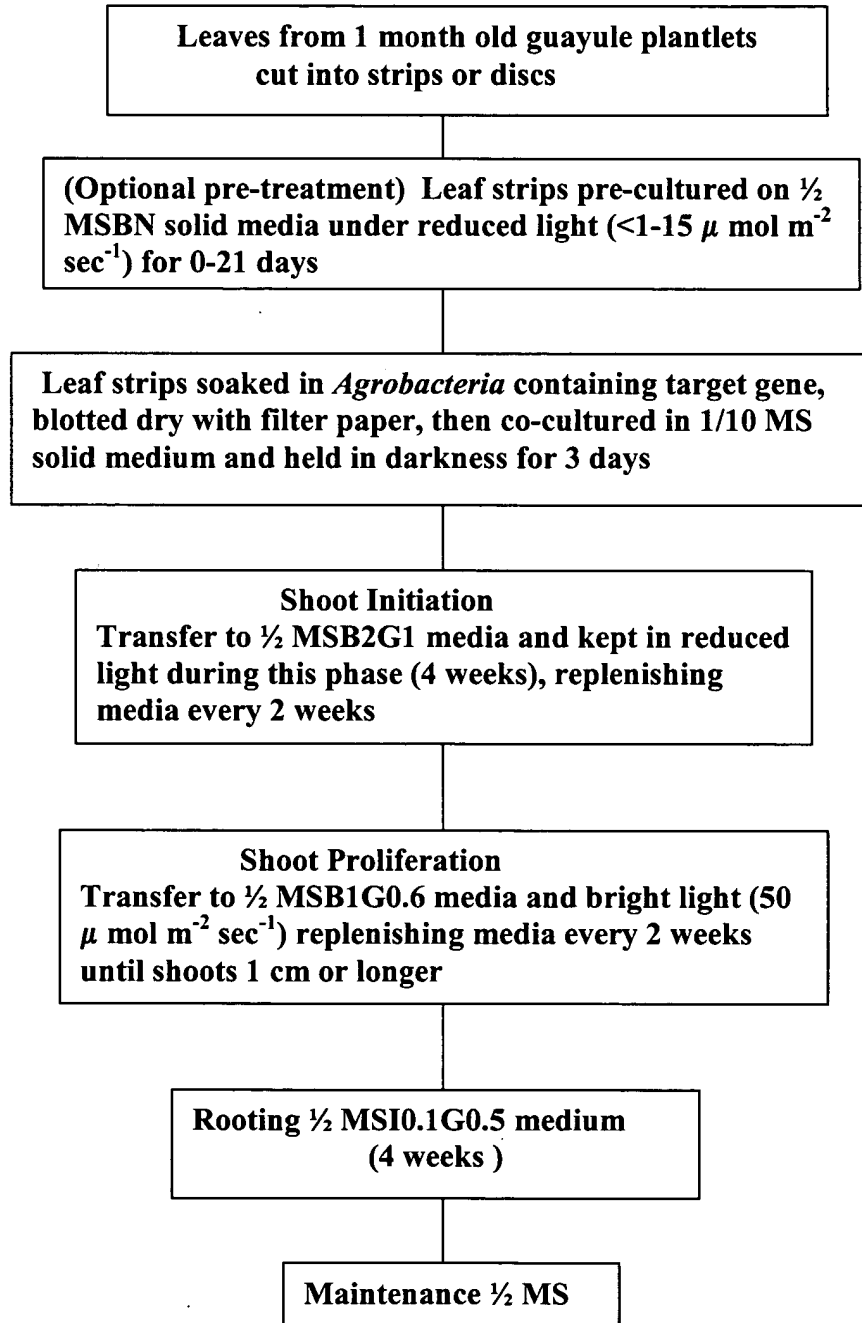
Guayule Leaf Strips Transformation Protocol

FIG. 1

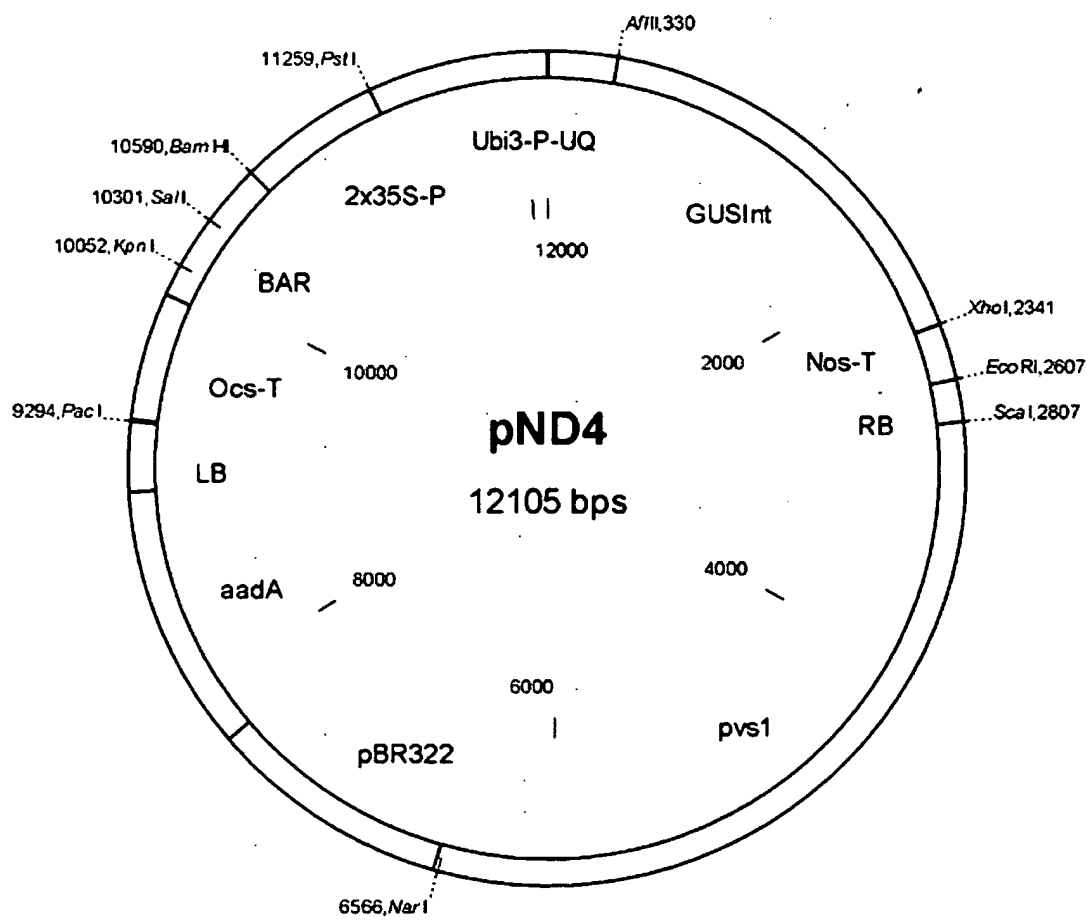


FIG. 2

Light Intensity in a Plate Stack

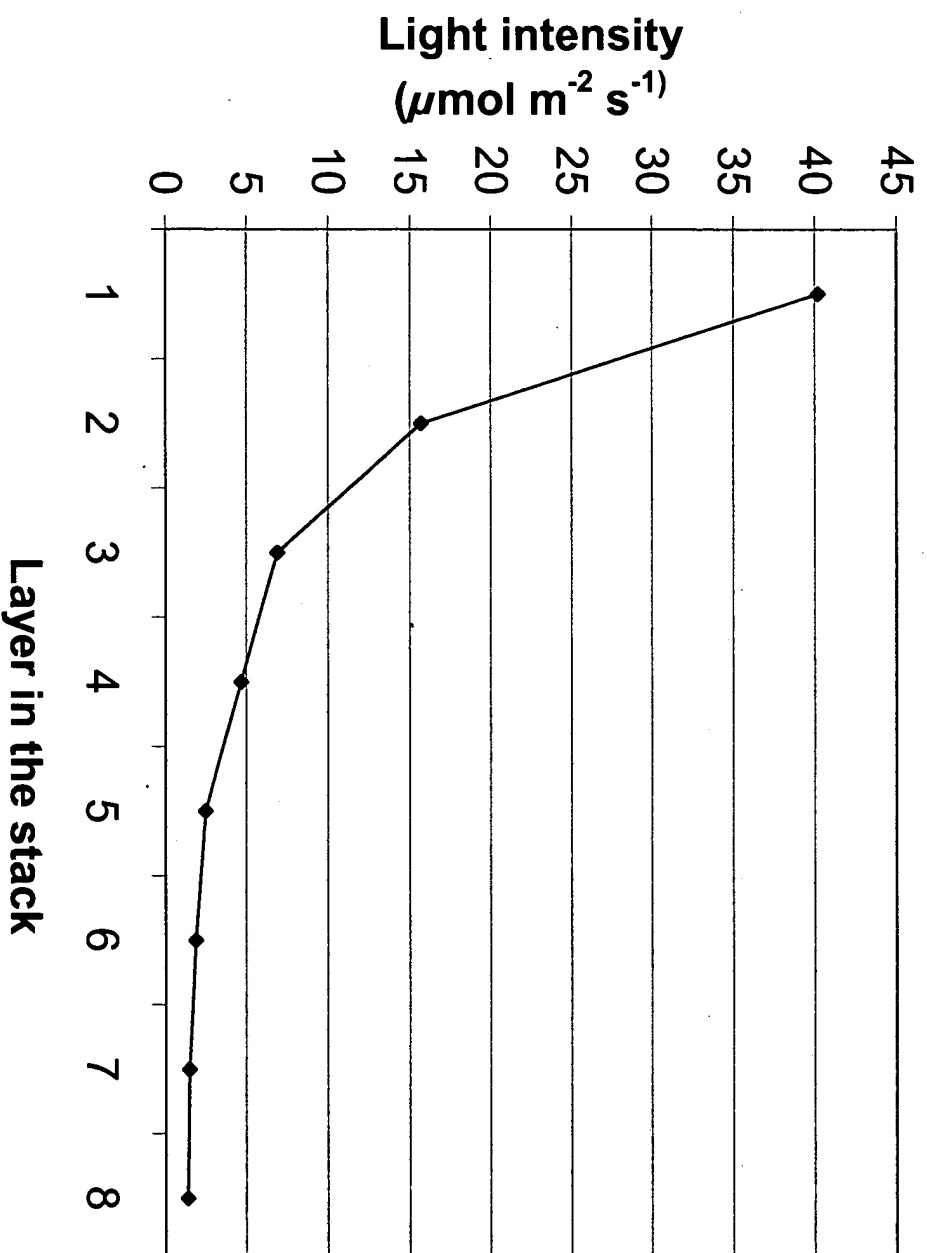
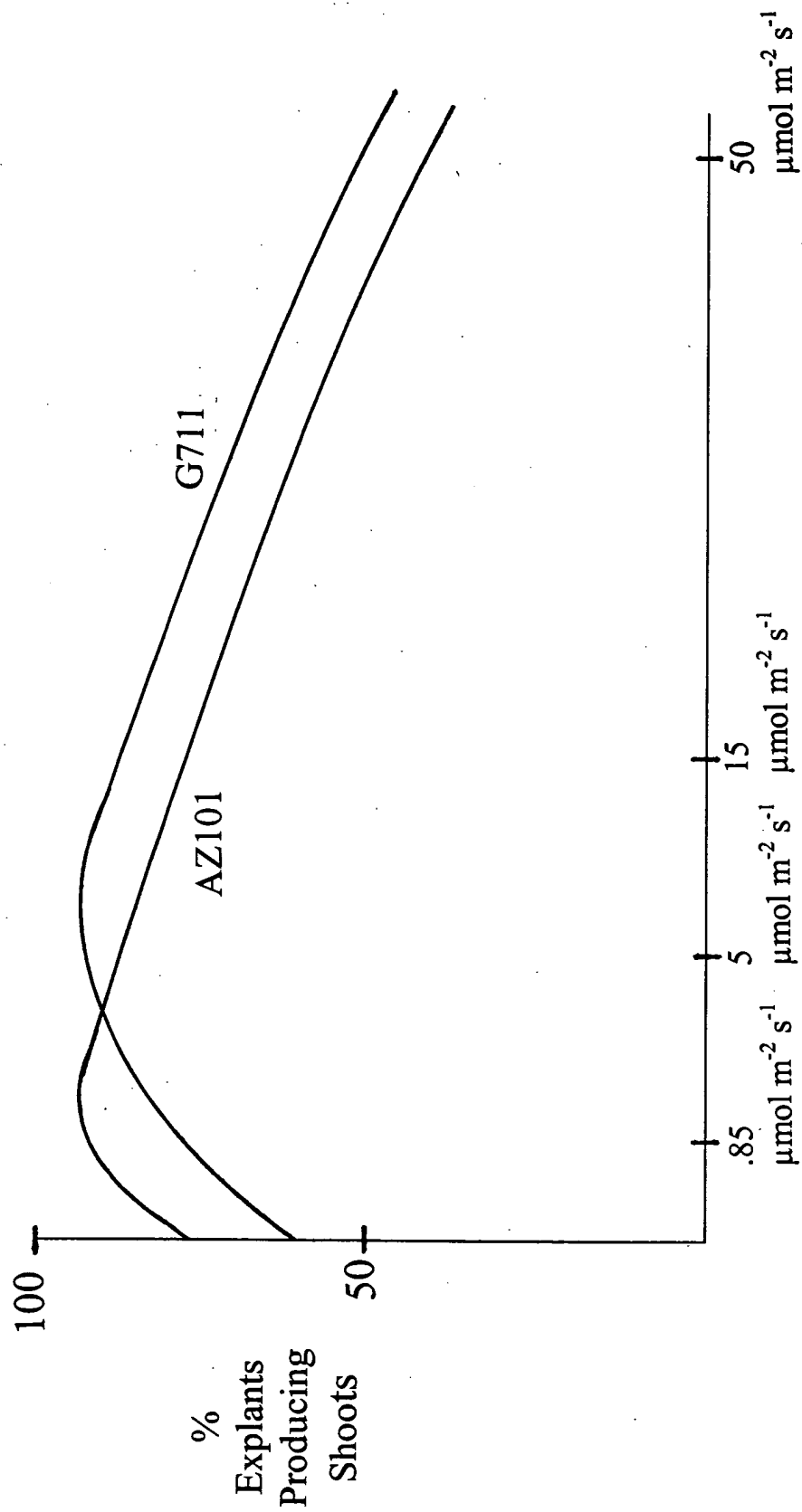


FIG. 3

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Light Level During Shoot Regeneration

FIG. 4

Transformation Efficiency

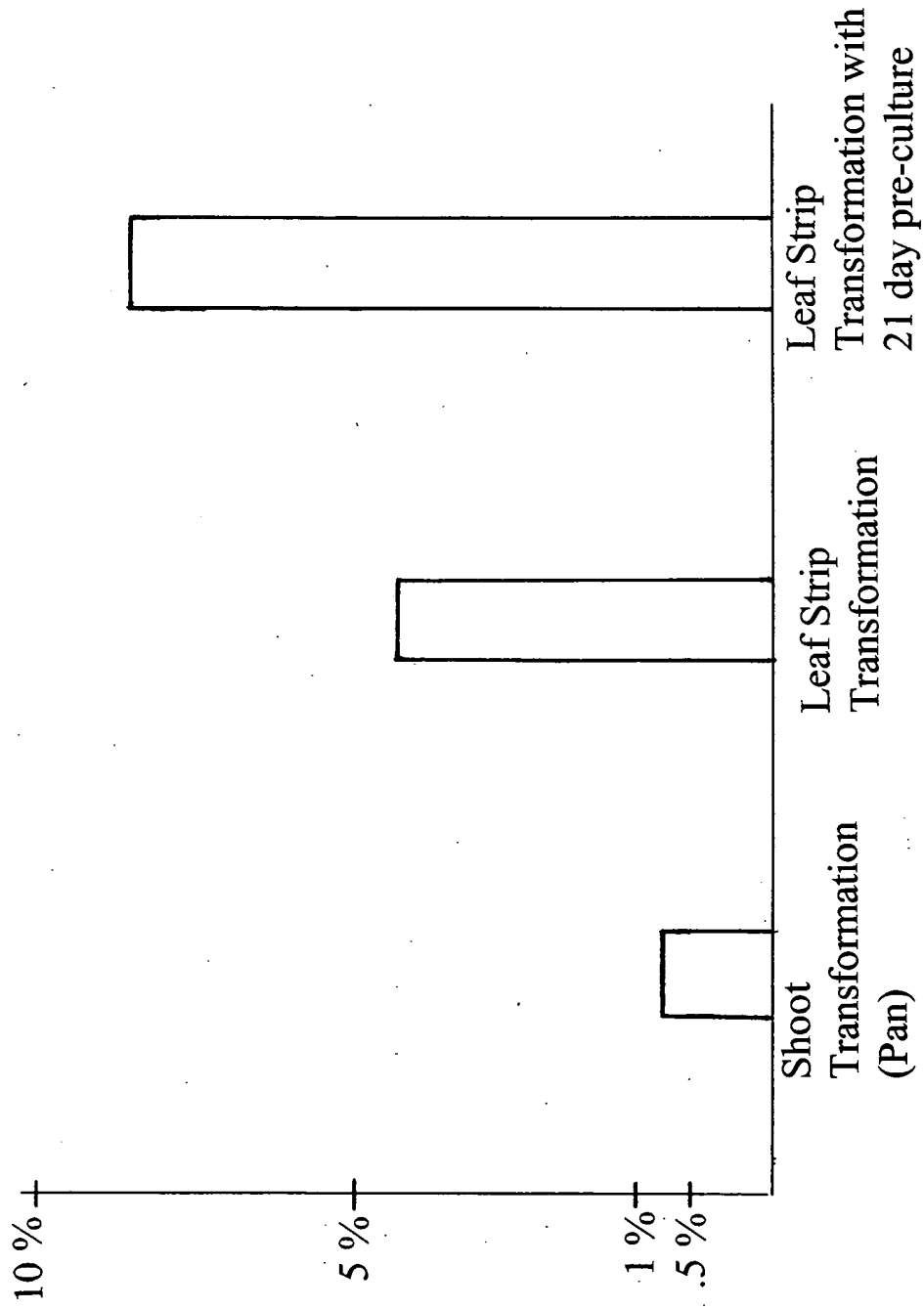


FIG. 5

1/2MSBN		1/2MSB1G0.6	
CAISSON MS Salts	2.17 g	CAISSON MS Salts	2.17 g
BA	0.2 mg	KNO ₃	5 g
NAA	2.0 mg	BA	1 mg
Sucrose	15 g	Sucrose	30 g
pH	5.8	pH	5.8
Agar	8 g	Agar	8 g
*****autoclave*****		*****autoclave*****	
<i>Add</i>		<i>Add</i>	
B5 Vitamin	1 ml	B5 Vitamin	1 ml
1/10MSBN		CaCl ₂ (2.5M)	1 ml
CAISSON MS Salts	0.433 g	MgSO ₄ (1 M)	2 ml
BA	2 mg	Timentin	100 mg
NAA	0.5 mg	Glufosinate (50 mg/ml)	12 µl
glucose	10 g	RootG0.5	
MES	100 mg	CAISSON MS Salts	2.17 g
pH	5.4	IBA	0.1 mg
(For solid, add Gellan Gum 7 g)		Sucrose	15 g
*****autoclave*****		pH	5.8
<i>Add</i>		Agar	8 g
B5 Vitamin	1 ml	*****autoclave*****	
Acetosyringon	1 ml	<i>Add</i>	
Pluronic F68 (10%)	5 ml	B5 Vitamin	1 ml
1/2MSB2G1		Timentin	100 mg
CAISSON MS Salts	2.17 g	Glufosinate (50 mg/ml)	10 µl
KNO ₃	5 g	1/2MS	
BA	2 mg	CAISSON MS Salts	2.17 g
Sucrose	30 g	Sucrose	15 g
pH	5.8	pH	5.8
Agar	8 g	Agar	8
*****autoclave*****		g*****autoclave*****	
<i>Add</i>		<i>Add</i>	
B5 Vitamin	1 ml	B5 Vitamin	1 ml
CaCl ₂ (2.5M)	1 ml		
MgSO ₄ (1 M)	2 ml		
Timentin	200 mg		
Glufosinate (50 mg/ml)	20 µl		

FIG. 6